

SANDIA BULLETIN



Vol. V, No. 21

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

OCTOBER 9, 1953

Unusual Train To Be Explained to ASME Members

"The Talgo Train," a special nine-car railroad unit built by The American Car and Foundry Company, will be explained by a member of the firm at the October 21 meeting of the American Society of Mechanical Engineers.

The train, which was designed for use in Spain, is a low-riding, light-weight version built with aircraft production technique. Wheels are "tongued" making for exceptionally smooth riding. A three-car version of the Spanish design has been produced to show its principles to American interests.

The ASME meeting is scheduled for 7:30 p.m. in Room 122, Mitchell Hall, at the University of New Mexico. Guests will be welcome and refreshments will follow the discussion.

MacNair to Talk on Industry and the Atom

Industrial applications of atomic energy will be discussed by Walter A. MacNair, Vice President, Research, at the October 19 meeting of the Sons of the American Revolution, Albuquerque chapter. The dinner meeting will be held at Leonard's restaurant.

Mr. MacNair will discuss forms of energy release, engineering problems and capital investment considerations in connection with possible uses of atomic energy for peacetime purposes.

Sandian to Speak On Mobile Radio

"The Mobile Radio Telephone System" will be the topic of Walter Hunter, 5430, at a meeting of the American Institute of Electrical Engineers to be held Tuesday, 7:30 p.m., in Room 2, the Mechanical Engineering Bldg., at the University of New Mexico.

A graduate of Phillips University, Walter actively engaged in mobile telephone, railroad radio, TV and microwave relay work at the Bell Telephone Laboratories prior to coming here in 1952.

Blood Bank Slated For Base Oct. 21

The Mobile Blood bank will again visit Sandia Base this month and Sandia Corporation donors are scheduled for October 21, between 8:30 and 3:30 p.m.

Department managers will be supplied with application forms for distribution by supervisory personnel. Completed forms will be returned to

A total of 982 pints of blood was donated by employees of Sandia Corporation when they responded to three visits of the Mobile Blood Bank last year.

Department 3120 where arrangements for scheduling donors will be made and individuals notified of the time they are to report to the old Base Gymnasium on Main Street across from the fire station.

Employees will be given a brief physical examination and interview prior to donating blood. Donors must be at least 18 and not over 59 years of age. Unmarried persons under 21 must have the written consent of a parent or guardian.

Prospective donors should weigh at least 110 pounds to give one pint of blood. Those who have jobs involving strenuous work will be assigned late in the day so that they will not have to resume work during that shift.

Except on instructions from the doctor in attendance, all others will be able to return to their jobs after the brief enforced rest period following their donation.

MSC Alumni Club Slates Get-together

The Michigan State College Alumni Club will hold a business meeting and get-together tonight at 7:30 in the Sandia Base Officers Club Library, according to Bill Guntrum, 1242, club president.

Plans for the coming season will be discussed and refreshments will be served. All Michigan State Alums are urged to attend.

Young Instrument Society Comes Of Age In Scientific Lab Field

This is the first in a series of articles on the technical societies that have grown into prominence in recent years. One of the youngest of these is the Instrument Society of America.

Next Thursday members of two technical groups will meet to hear a man who is coming to Albuquerque from New York City to talk on "Frontiers of Communications."

The speaker is R. Karl Honaman, Bell Telephone Laboratories director of publications. He will be introduced at the meeting by James W. McRae, Corporation President.

Mutual Interest

The meeting is co-sponsored by the Instrument Society of America and the Institute of Radio Engineers—both organizations with a mutual interest in communications. The program will be held at the Coronado Club at 8 p.m. and is open to the public.

Another aspect of the meeting will be a description, by Al Gruer, 5224, and Lee Deeter, 5430, of the Eighth ISA (Instrument Society of America) National Conference and Exhibition which they attended in Chicago recently.

These conventions are an integral part of all technical society functions. They bring together the scientists and technicians, members of local society chapters, to spread the knowledge they have gained during the year on new developments and processes. And it is here that trends are brought into focus.

Trends Noted

One of these trends was noted by Al Gruer, president of the Albuquerque ISA chapter and a veteran of seven of the eight Society conferences:

"The Society is now of age. At former conferences the exhibitions were dominated by the industrial process instrumentation field, but this has changed. At the last conference at least 40 per cent of the exhibitions

Red Feather Drive Incomplete Returns Indicate New Record

Incomplete and unofficial returns of the Community Chest campaign of Sandia Corporation employees show that as of Wednesday night, Oct. 7, Sandians had pledged \$29,563. Contributions by Sandia Corporation, The Anderson-Dunham Co., and the Coronado Club brought the total to \$34,638.

Last year the employee total was approximately \$28,000 and grand total more than \$32,500.

Reports from the approximately 650 solicitors are coming into headquarters rapidly and final figures will be announced as soon as they are known.

Halloween Carnival Set for Youngsters

October 30 is the date set for Sandia Base youngsters and their parents to celebrate Halloween with a big carnival, a parade through the housing area, and treats at the Base Cafeteria.

Max Weber, 5132, vice-president of the Sandia Parent-Teachers Association and chairman of the program committee, this week announced that Alan Ayers, 5332, will head the group making plans for the event.

The Old Base Gymnasium will be the carnival headquarters and movies for the children will be shown in the adjacent Protestant Chapel.

The evening of fun is scheduled to start at 6 p.m. when supper will be served in the cafeteria. Booths for games and entertainment will be set up in the gym.



R. Karl Honaman

were sponsored by manufacturers who catered to research and development, especially in the laboratory and aircraft instrument field."

To Al, as a laboratory instrument man, this is encouraging. It's encouraging to all the Sandia ISA men. They're members of a young chapter of a young organization and they're proud of the phenomenal growth of the Society.

ISA Expands

The Instrument Society of America came into being in 1945 when 17 local societies banded together to form a national organization. Today, seven years after the formation, the Society is composed of 49 sections in the United States, three in Canada, and one in Aruba, Netherlands West Indies.

The Society was formed with the objective "... to advance the arts and sciences connected with the theory, design, and manufacture and use of instruments in the various (Continued on page 3)

Arctic Radar Line Will Warn U. S. of Atomic Attack

The first experimental units of a line of radar stations 1,200 miles from the North Pole, which will give U. S. defense forces at least six hours advance warning of an airborne threat from this direction, are now nearing completion, it was announced today by the Western Electric Company, manufacturing and supply unit of the Bell Telephone System.

Warning in Seconds

The work is being done under a contract with the Air Research and Development Command of the Air Force and the initial sites will be fully operational soon.

Known as the distant early warning line, the experimental installations will be in the vicinity of Barter Island, Alaska. So lightning-fast and comprehensive is the new system that a warning signal will be picked up and transmitted to the U. S. within seconds of the time an enemy aircraft comes within range.

The sensitive detecting apparatus, some of it wholly new in concept, is the result of study and development work by scientists of the Lincoln Laboratory of the Massachusetts Institute of Technology. This laboratory worked closely with the Bell Telephone Laboratories, research and development unit of the Bell System, in the specification and production of these experimental equipments.

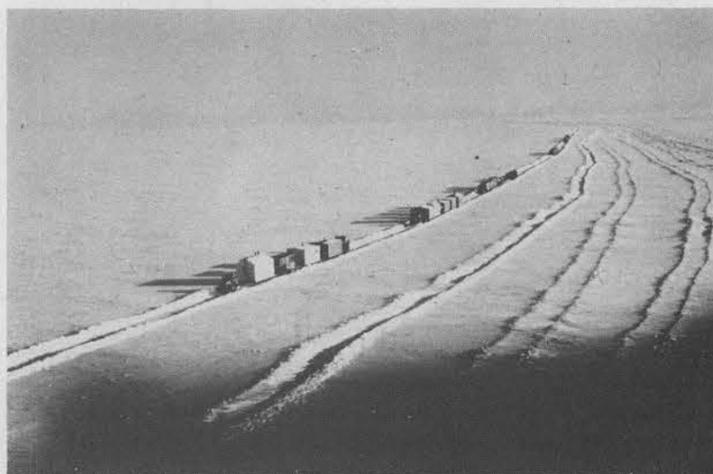
Robot Alarm

Unlike World War II radar, which required the constant atten-

tion of human observers, the new equipment automatically sounds an alarm whenever aircraft approach, reducing drastically the personnel required for service in the Arctic. Moreover, both the radar and radio transmitters which link it with the command centers are proof against the magnetic storms which knock out conventional electronic equipment in the Arctic during substantial portions of the year.

Precise location of the new line is highly classified military information. It may be said, however, that its creation is a direct result of Project Lincoln whose scientific studies were concerned with America's survival in the atomic age. The decision to extend the new line in an unbroken arc extending from Alaska to Greenland will hinge on the performance of the initial installation.

The project was born last December when top Bell System officials were requested by the Department of Defense to undertake responsibility for construction of the initial



FREIGHT TRAINS of Alaska in April are these caterpillar drawn "wannigans" shown here laden with construction materials and fuel for laying groundwork at all sites in the initial distant early warning line. These "cat" trains traversed 25-foot thick ice a dozen or more miles out from shore selecting the quickest route from point of supply, Point Barrow, to sites now virtually completed by Western Electric.

section of the new line and to have it functioning within the year.

Long Trip

Every piece of the complex electronic equipment had to be specially made or converted. Every board and nail, all the food and fuel, had to be transported to the point of con-

struction, 2,800 sea miles away from the loading point, all within two summer months beginning in July.

When completed the installation will represent one of the most exacting engineering projects ever completed so close to the north pole. Landing strips built for airlifting

much of the vital equipment from depots in Alaska will be kept cleared for bringing in additional food, fuel, and other supplies as required. Although Alaskan "bush" planes have been successful in navigating the Arctic throughout the winter months, ski trains pulled by tractors moved much of the heavy cartage this spring over terrain that is frozen 10 months a year.

Houses on Stilts

Men and equipment are housed in heated buildings resting on thick beds of gravel recovered from Arctic beaches. The heat insulating property of the gravel prevents the frozen earth from melting in summer and bogging down the installations in the characteristic quagmire of the Arctic. Some of the prefabricated structures were airlifted across the 9,000-foot Brooks Range last April. Other heavy supplies were conveyed by the Navy during July.

The intricate radar antennas sweeping their 360 degree arcs are protected by rubber domes which give the installations the appearance of astronomical observatories.

(Ed. Note—H. G. (Hardy) Ross, who served six months as Sandia Corporation Purchasing Agent during 1949 and 1950 is assistant manager of this project.)

SANDIA BULLETIN

Friday, October 9, 1953

Published for the employees of Sandia Corporation, Albuquerque, New Mexico

Editor, Robert S. Gillespie
Assistant Editors, William A. Jenkins, Maxine Ethridge

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Telephone Ext. 25253



An Informed People

The nation observed National Newspaper Week Oct. 1-8 and though the period may have passed unnoticed by you, it does call attention to a bit of Americana we all cherish.

Whether we agree with them or not, few of us would have our newspapers much different than they are. It is only a scattered few who would toss out our "freedom of the press" and impose fetters on the country's newspapers.

The greatest control exercised over the country's press is that imposed by a nation of readers. If the paper's no good, if it practices bigotry, if it is unfair, biased, hypocritical, it won't last too long. The old control of economics takes care of such a publication and it soon folds.

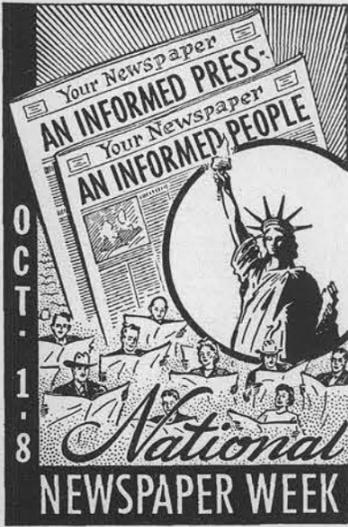
National Newspaper Week is also a good time to call attention to a newer facet of newspaperdom—the industrial publication. A small industry before World War II, it has started growing and has apparently not reached its zenith yet.

Here are a few figures of interest: there are approximately 6,500 such publications today, they have a combined circulation of about 70 million and projecting figures as approved by firms who audit newspaper circulations we may say they have 100 million readers.

They vary in size from the Prudential Insurance Company's magazine (Prudential Family) with two and a half million circulation down through the SANDIA BULLETIN'S 6,000 to Buttrey Stores publication (Teamwork) which reaches about 300 employees.

Though only a very few of these papers have a paid circulation they, too, exist because of their readers. Their responsibility is as great, their existence as vital and their message as sincere as their counterparts with 100 per cent paid circulation.

The newspapers have adopted the slogan "An Informed People" as their slogan for National Newspaper Week. This may well be the goal for the press as well as its slogan.



VACATION snapshot of James R. Dillard, 2334, and Mrs. Dillard shows them in Colorado where they explored the Cripple Creek area.



MARGANA SMITH, daughter of Cathy Smith, 1644, celebrated her first birthday Sept. 4. Here she is shown in her new party dress.



SHOWING off a big grin for the camera is tiny Phyllis Marie Prokash, 6-months-old daughter of Mr. and Mrs. Richard Prokash. The proud papa works in 2123-3.

Congratulations

BORN TO:

Mr. and Mrs. John Gill, 2231, a son, William Eugene, Sept. 26.

Mr. and Mrs. R. P. Meissner, 1631-1, a daughter, September 2-

Mr. and Mrs. Joe Backer, 2545, a daughter, Diane Jo, Sept. 13.

Mr. and Mrs. Fred Poe, 2561-3, a daughter, Cherie Elaine, Aug. 26.

Around the Departments

Here's fuel for the boys to add to the old fire about men being the best cooks and bakers! K. D. "Skid" Spiller, 2121-1, baked a cake and brought it in for his co-workers to sample. The cake was one of those luscious things filled with nuts and raisins and topped with tasty chocolate icing—the comments were all good and "Skid" modestly asserts that autographed copies of the recipe will be given upon request.

Her co-workers wish a speedy recovery for Jeanie Mosley, 2121, who is ill.

Charles Horner, 2123-7, was welcomed back to his job recently after an illness of several weeks.

Max Linn, 1923, recently returned from a vacation spent 200 miles north of Toronto, Canada, where he owns two cabins situated on an island in that holiday land. Max says the frequent rains were most enjoyable after the dryness of our southwest and that the maple trees were in their full beauty for his vacation.

Naomi Morris, 2561-2, enjoyed her vacation resting at home; Bob Dean, also 2561-2, spent his holiday in Texas, and Harry Snodgrass rested at home while vacationing from 2561-4, preparing for evening work in electronics at U.N.M. this fall.

Bob Pace, 2561-2, is now a part-time announcer evenings on Radio Station KOAT.

News from 2223: Gerald Van Gundy bagged his limit of grouse on a recent hunting trip in the northern part of the state. Richard Bowerman spent a week's vacation improving his adobe in Placitas; Dorothy Washburn enjoyed a week's holiday at the State Fair. 2223's September birthday party honored Lonnie Johnson and Frank Leyba. In charge of refreshments and decorations were Ruth Youngberg and Dorothy Washburn.

Phoenix was the vacation headquarters for Bernice Pearl, 3153, and her mother.

Peggy Haner, 3152, vacationed at home and at the State Fair last week, and Walt Dzigan, 3152, spent last week at home with his family with visits to the fair.

Her fellow workers welcomed back Dorothy Anderson Walker, 3152, after her honeymoon trip to San Francisco. The new bride was honored at a shower last week when hostesses were Joan Longhurst, 3160, Winifred Fellows, 3152, and Joan Marksbury, 3154, who held the party at the Longhurst country home. Twenty-five of Dorothy's co-workers attended the event.

W. E. "Doc" Rehbeck, 2544-1, has returned from an extensive trip along California's coast — among scenic spots he visited Carmel-by-the-Sea. Edith Moya, 2541-1, is on a two week vacation, first one of which she spent attending the Fair.

June E. McDorman, 2541-2, surprised her co-workers Sept. 29 announcing her marriage Sept. 27 to Tom Avery of Albuquerque. June, who joined Sandia Corporation two years ago, is a native of Artesia, N. M.

Violet Foderaro, 3233-1, vacationed recently with relatives in Pennsylvania.

Among new Albuquerque homeowners is C. P. Anderson, 3231, who has moved into the residence at 1036 Indiana Ave. SE.

Bettie Myers was honored with a birthday cake last Friday by her co-workers in AEC. Jo Tinsley, AEC, spent a two-week vacation with her parents in Altus, Okla.; Margaret Caranta, AEC, visited the Grand Canyon, Las Vegas, Nev., and California during her fall holiday.

Virgie Haverty, 2121-1, and her husband are vacationing on the west coast where they're visiting Virgie's brothers in Los Angeles.

Owners of a new green and ivory Chevrolet coupe are AEC's Nona Shively and Bill Shively, 2413.

Larry Smith, 5242, is presenting four talks on Meteorology this fall to Civil Air Patrol students in the Air Force ROTC building at the University of New Mexico.

Vacationing in Minneapolis, Chicago and Des Moines is Fred Colatz, Sr., 2335.

Marjorie Garwood, 1923-4, and her husband (plus Mike, the family dog, who has a special foam rubber seat in their snappy MG) toured New York State and Ohio for an autumn vacation.

Robert Fegan and Andrew A. Walker, both AEC, enjoyed a week's fishing in Colorado recently. Robert Ward, AEC, has returned from a week's vacation at home. James Lally was honored at a going-away party last week by his fellow workers in AEC.

Spending his vacation at home with a short trip to Elephant Butte, Carlsbad Caverns, and Mexico was 5133's Carl Carlson.

Vacationers from 2334: Nathan Knapp visited relatives in New Jersey; Cornelio S. Padilla visited Carlsbad Caverns with his family; Arvis L. McReynolds and Joe A. C. Chavez both chose to vacation at their homes, and Mary V. Simpson went to Silver City and Las Vegas, N. M., with her mother.

Walt Adams, 1521-2, recently completed construction of his new home at 5109 Royene Ave. NE. Much of the work was done by Walt who surprised his co-workers with so much hidden talent—they're proud of him and say, "Congratulations!"

Betty Jean Smith, 2334, was maid of honor at her sister's wedding in Corpus Christi, Texas, while on vacation.

His co-workers in 2334 are sending their best wishes to Clem M. Dixon, 2334-1, who is in Veterans Hospital for an extended check-up.

Department 1630 is happy to have a member, F. L. McFarling, selected to participate in the Sunday Afternoon Choir Programs over KOAT-TV.

Enjoying a month's California vacation this fall is B. E. Arthur 1631-2, accompanied by his family.

Herb Hevert, 1631, has purchased a new home in Snow Heights.

Renee Foster, 2461-2, is welcomed back to 2461-2 after being away because of illness.

the way we heard it

The Law West of Pecos

When their camping trailer caught fire near Pecos recently, Larry Platt and Bill McKinney, 5432, and a fellow fisherman from Albuquerque moved quickly to try to save several hundred dollars worth of camping gear, including a boat and motor, sleeping bags, fishing equipment, etc.

They got the trailer unhooked, jerked a five gallon can of gasoline out of danger, and the two Sandians stayed with the trailer while their friend, Don, drove hurriedly back to Pecos for help. The local marshal nabbed him for speeding, hauled him before a justice of the peace who fined him \$15 and threatened to throw him in jail for resisting an officer.

All Don wanted was help, and his frustration grew as language difficulties prevented putting his point across. Two hours later when he finally got back to the trailer, it was a smouldering heap of ashes.

The fish they had caught were boiled in the ice chest and they were sure the milk of human kindness had curdled in the veins of the heedless motorists who passed them by without offering assistance. Cause of fire was undetermined.

Tale of a Dog

Months ago the BULLETIN planned to run a feature story about the little abandoned dog at the Base west gate. The tan and white female mongrel, looking abjectly lonesome and dispirited, waited day after day and week

after week for the master who never returned.

We didn't use the story because the soft-hearted MP's who smuggled food to the pup said they'd have to pick her up and impound her if the story called attention to her presence. The nameless waif shunned human affection but apparently had a canine suitor, for in due time she gave birth to a litter of pups in her tumbleweed shelter by the fence.

It was then that the MP's reluctantly decided to take the family to the Animal Shelter where they would have proper care. The MP's hope the puppies will find good homes.

Kegler's Kibitzer

A new booklet on bowling, on the racks now, contains many pointers for keglers in the novice as well as professional classes. Pin diagrams show just where the ball should strike to clear the alley, avoid splits, pick up spares, etc.

Mood, and Counter-mood

We have yet to make an early call into the tech area without a cheery good-morning from the security guards on duty. This is a friendly, courteous greeting and it sort of sets the mood for the day. However, we've noticed the response from some persons is either a blank stare, a fidgety pause, or an inaudible peep that could mean almost anything. Why not return the favor?

Picnics — They're Great

AEC folks think so Too — They prove it

Engineering and Inspection Division of the AEC Field Office took to the hills recently and enjoyed a picnic — complete with food and fun.

Photographer Vaughn Myers, of the sec-

tion, took along his camera and came back with a pictorial account of the event. Here we print some of Vaughn's shots.

Picnics — they're great!



BOTTLE FED with coke. In foreground is Bill Stinchcomb and wife.



Bill Scoville in first!



JO HAUQUITZ and Margaret Durant win the Three Legged Race.

Halloween Costume Ball Featured During Dance Month at Coronado Club

An orchestra dance every Saturday night is the new policy of the Coronado Club entertainment committee and the October calendar proves it.

Halloween Ball

The four Saturday night dances this month are topped off by the traditional Halloween Costume Ball. This year a filet mignon dinner is included and the music will be provided by the 16-piece Kirtland Air Force dance orchestra. The party lasts from 7 p.m. to 1 a.m., the admission is \$2.25 per member, and reservations are required.

Tomorrow night Orlie Wagner's Orchestra appears from 9 to 1 and on the 17th Al Hamilton and his orchestra will perform, followed, on the 24th by the Dream Weavers Orchestra.

Bridge Thursday

Duplicate bridge will be featured every Thursday evening from 7:45 to 10:30 p.m. with a nominal charge of 25 cents per player. Ladies' afternoon bridge and canasta is slated for the 21st from 1:15 to 4 p.m. and the Club's square dancers are scheduled to whoop it up on Friday the 9th and 23rd.

The monthly buffet-dance will be held on Sunday, Oct. 11, with The Continentals providing music for dinner and dancing. Men's night this month will be held on Friday, the 16th, instead of Wednesday.

Bingo players will gather to try their luck on the 14th and 28th.

Toastmistresses Slate Recruiting Meeting

The Turquoise Toastmistress Club will hold a recruiting and membership event October 21 in the small dining room of the Coronado Club. Prospective members will be invited to attend the dinner-meeting at 6:30.

Mrs. R. R. Richards, Alb. 6-0616, will furnish information to persons interested in becoming members of the group.

Mrs. Blanche Hompe will give the invocation at the meeting, and toastmistress will be Mrs. R. K. Fortman. Topic mistress is Mrs. Richards, and speakers include Mrs. Henry Goldberg, Mrs. Jack Miller, and Mrs. L. E. French. Lexicologist will be Mrs. H. M. McMichael, and evaluators include Mrs. E. G. Miller, Jr., and Mrs. T. E. Jorgensen.

Handicapped Scientist "Sees" Atom Fly Apart

Samuel B. Burson, a nuclear physicist at Argonne National Laboratories has developed a "monstrous looking" array of equipment and he reports that as the atom flies apart it is his job to "see" what goes on inside of it. Dr. Burson is blind. (Chicago Sun-Times)

MORE Around the Departments

Harlan P. Kelsey, 1512, recently purchased a place in the Manzano mountains and is spending his weekends remodeling it.

Vacationers include Bertie Chappell, 1512-3 (4222) who visited relatives in Kentucky, Missouri and Tennessee; Cathy Mitchell, 1512-1, took a three week trip to visit relatives in New Jersey, Ohio, and Oklahoma and while on her holiday took in some Broadway shows. Don Rauch, 1512-3, spent his vacation at home, and Thomas Moran, 1933-2 (1512) is enjoying his vacation at his home in Tijeras Canyon. Bill Fears, 1512, visited the west coast with his family.

C. R. "Mac" McAllister, 5123, and his bride, the former Mary Ruth Carter of Albuquerque, will be at home at 2009 Lead Ave. SE following their honeymoon trip to Greenville, N. C., to visit her parents. The couple was married September 28 here. Leonard Lind, 3151, was best man.

Mary Lou Fresquez 4222 (5131), has returned from a vacation in the San Luis Valley in Colorado, and Bruce Miller, 5133, and his family are currently on a motor trip to Kansas and South Dakota. Leigh Hendricks, 5131-1, is vacationing in Virginia, Georgia, Florida, and Alabama this month.

Back on the job after his recuperation from surgery is 5131's John Magistad.

Kay Graff, 5131, is the proud owner of a new glacier blue 4-door Ford sedan.

Ronald Skelley, 2232, and his family enjoyed a recent hunting and fishing trip to Colorado; Lawrence Sedore, 2234, is spending three weeks in various points in Michigan where he'll visit friends and relatives. Jose Sanchez, 2232, spent a week at Ojo Caliente, N. M., last month.

Doug Bacon, 2561-3, and Mary Kawasaki of Minneapolis, Minn., were married Sept. 11 and are now at home, 523 Tijeras Ave. NW.

May Johnson, 2561-1, was expected back this week after a thrilling vacation in Bermuda via TWA; Suzy Navarette, 2561, spent her three week vacation in Mexico City; Ed Mould, 2561-3, spent September vacationing in San Antonio, Texas, where he welcomed a new grandson, returning to the Duke City in time for the Fair Week races.



Photo by Dunlap

ISA EXECUTIVE COMMITTEE in action. Discussing the administration of the swiftly expanding local ISA section are: L. to R. Lee Deeter, Harlan Lenander, Tom Muzzey, Al Gruer, Dick Charlton, Wallace Smith, and Joe Connell.

Continued from Page One

ISA Developed After War Years

sciences and technologies" and followed inevitably the tremendous instrumentation required for controlling the automatic machines and industrial processes developed during the war years. The realization of the instrument industry as an entity and the remarkable impetus given the field in recent years explains the amazing expansion of the ISA.

Lee Deeter was the prime mover in forming a local ISA chapter. With Sandians like Al Gruer; Joe Muench, 1263; Louis Paddison, 1500; Dick Richards, 5431, and others working with him, Lee finally obtained the charter and the Albuquerque Section, ISA, came into existence on September 16, 1949.

The First Team

Lee was elected president, vice-president was Capt. Al Santilli; treasurer, R. E. Jacobson, an ex-Sandian; national delegate, Al Gruer, and executive secretary, Louis Paddison.

There were 20 members when the section started and there are 60 now. They meet on the second Thursday of each month, September through May, at the Coronado Club. The technical meetings are preceded by a dinner meeting of the executive committee.

Each month a main speaker, such as Mr. Honaman, is scheduled to talk on a subject pertinent to instrumentation.

Hardware

According to Al, who celebrates his silver anniversary in the instrument field tomorrow, "We're unique in that we deal directly with the hardware. The ISA membership complements membership in other societies since a direct interest in instruments is still possible under the broad interests of the other societies."

The present officers include Al as president; Richard Charlton, 5224, vice-president and secretary; Tom

Muzzey, 3124, treasurer; Lee Deeter, national delegate; Harlan Lenander, 5230, membership chairman; Wallace T. Smith, 5215, national employment committee representative; Ted Morse, 1610, joint technical council representative; and J. L. Hollenbeck, 1613, past president and executive committee member.

President Gruer is hoping for new members. "The field is open, young and receptive to the budding instrument engineer with ideas. Because of its youth the ISA is an excellent sounding board for the engineer who has a paper he wants published."

Weddings and Engagements

At home in Sandia Park following their wedding September 18 are Herb Anderson, 1643, and his bride, the former Norma Coombs, AEC. Herb, who joined Sandia Corporation in 1948, and Norma, had as their attendants, Wilma Bird, 2461-1, and Robert Sullivan, AEC.

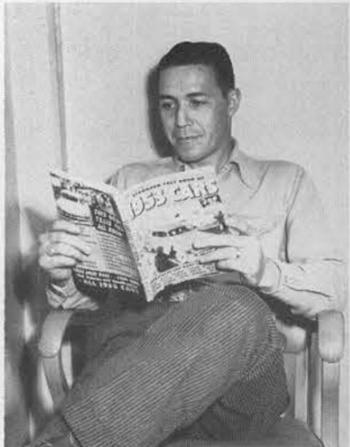


Mrs. Anderson Miss Ferrari

October 24 is the wedding date chosen by Lee Ferrari, 1335, and Lee Cofano of Utica, N. Y. The ceremony will be performed in St. Charles Church in Albuquerque and the couple will make their home in Rapid City, S. D., where Mr. Cofano is stationed. Lee, the daughter of Mr. and Mrs. Carmen Ferrari of Albuquerque, joined Sandia Corporation 2½ years ago.

Which Twin:

Wore his safety glasses?



JOE MONTOYA, 2334-3, is not a twin, but he always wears safety glasses at work. He protects the only eyes he will ever have.



ALBUQUERQUE BUSINESSMEN had an opportunity to meet and chat with President James W. McRae recently at a "get acquainted" dinner held at the Alvarado Hotel. Welcoming Mr. McRae to Albuquerque is Robert Tripp, right, president of the Albuquerque Chamber of Commerce.

"Conjour" Makes \$100 Challenge

Wanna make \$100? All you have to do is produce a lock that will keep "Conjour" in a mail sack for 15 minutes. If you succeed "Conjour" will pay you exactly \$100.

Who is "Conjour"? "Conjour" is a magician and prestidigitator, a disciple of the great Houdini. He will appear at the Coronado Club for the monthly Men's Night entertainment on Friday, Oct. 16.

"Conjour" is the feature of the evening, but there'll be other entertainment and, of course, there's always free beer and pretzels. The time: 8 to midnight. Don't miss it.

Industrial Editors Elect Bulletin Editor Director

Announcement has been made of the election of the SANDIA BULLETIN editor, Robert S. Gillespie, as a director of the Society of Associated Industrial Editors.

The organization is comprised of more than 600 editors of industrial publications in 24 states and Canada. The SAIE is an affiliate of the International Council of Industrial Editors, the largest group of industrial editors in the world.

As a director-at-large, the BULLETIN editor will represent members not affiliated with charter chapters of the organization.

Sympathy

Sympathy is extended to Lucy McPhetridge, 2231, for the recent death of her mother.

Her co-workers express their sympathy to Winifred Fellows, 3152, whose father died last week.

Here's a Suggestion

Favorite Foods

Of Sandia Employees

This is another in the series of stories about Sandia cooks who enjoy the culinary art as a hobby and a pleasant pastime and are highly accomplished.

Here's a fine company main dish suggested by AEC's Virginia Lasater, who points out that it can be prepared 'way ahead of time.



Virginia Lasater

Virginia's favorite recipe, "Chicken and Spaghetti," is also easy to serve and offered along with a gelatin

salad, your choice of breads, and a simple dessert, makes for an easy party menu, sure to please the gourmets in your circle.

Chicken and Spaghetti

Disjoint and boil one fowl, using enough water to leave sufficient broth for cooking one package of spaghetti; then bone and cut up the chicken. Mix cooked spaghetti (and be sure to use the broth to boil it in) and chicken with the following sauce:

- 4 or 5 cloves of garlic
- 2 large green peppers
- 3 onions
- 5 or 6 pieces of celery
- 1 can pimentos
- 1 can mushrooms (any size)
- 3 cans tomato puree or tomato soup

Chop raw vegetables and start cooking in 5 tablespoons of olive oil or salad oil. After raw things have cooked for half an hour, add the canned ingredients and simmer one hour longer.

Serve with parmesan cheese. Virginia says the above recipe is for 8 to 10 persons and that if the dish is prepared several hours prior to serving "the flavors have more of a chance to combine—and that's fine because it leaves you precious moments for the finishing touches."

Report on GM Fire Given at Convention

Ted Rosenwald, 2450, last month attended the joint convention of the International Association of Fire Chiefs' 80th Annual Conference and the Canadian Association of Fire Chiefs' 45th annual conference at Toronto, Canada.

Among the most interesting of the technical sessions, he reports, was a talk regarding the recent General Motors plant fire by the chief of the Michigan Fire Marshal division.

Square Dancers Plan Big October Program

The Coronado Square Dancers have planned a big program for October starting tonight with "Doc" Rehbeck calling the numbers to the music of the Duke City Cowboys.

Two door prizes will be given the holders of the two lucky tickets. Instruction night for beginners and novices will be held Monday, October 18, from 8 to 11. Experienced dancers are invited to assist and to brush up on old calls or learn new ones.

World of Faucets, TV, Escalators Amazes Navajo Girls in Visit Here

Two little Indian girls from the Navajo reservation had their first glimpse of a new world recently when they visited for a week in the H. C. "Curly" Barr home.

Remote Home

These youngsters, who reside in a remote section of the far-flung Indian land, live today much the same as did their ancestors hundreds of years ago. An exception, of course, is the white man's school which they attend, but their home life, their customs, their responsibilities are those of the past.

Compared with our standards, the life of Betty Red Dye, 6, and Mola Police, 10, appears extremely primitive. Their native hogans are made of sticks and brush in the summer, desert mud in winter.

Wonderful Sights

They speak little English. When the Barrs gave them the opportunity to spend seven days in the city as their guests, the little friends had a multitude of strange and wonderful experiences awaiting.

There was the "electric eye" at the doorway of a supermarket. Even children who often go to the markets are fascinated with these, but imagine the consternation of the young Navajos.

"Little Betty thought it was funny," Curly recalls. "She tried it time and again. But poor Mola was truly frightened—she'd watch it carefully, then scuttle through in a hurry."

New and Astonishing

The ordinary stairway amazed the girls, for they'd never encountered one before. And then the escalator at a downtown department store... what wonderful tales the girls would take back home to their classmates!

A completely new and astonishing experience awaited the girls in the kitchen. An electric stove captured their fancy and the pop-up toaster and refrigerator were almost equally amazing.

The week in Albuquerque was chock-full of new opportunities for Betty and Mola. The railroad train, for instance, the zoo, the expanse of dime-store counters where a myriad of plastic products delighted them.

See First Trains

The big diesels thundered awesomely for these little girls. Their village is 150 miles from the nearest junction and they'd never even seen a track. However, they've often seen airplanes drone over the vast Navajo reservation and they



MOLA "... back to tribal life and its customs."



BETTY "... liked plastic and hair-barettes."

weren't much impressed with a visit to Albuquerque's airport.

Faucets and running water, so commonplace here, intrigued Betty and Mola. Then there were light switches, a vacuum cleaner, and the pleasant entertainment of television. Like all kids, these Navajo girls enjoyed the westerns and those TV shows with lots of action.

It was a grand and revealing week for the Barrs, too.

Home in Utah

"It made us appreciate the things we have," Mrs. Barr explained. "If you could see the stark country, see the hardships these people endure for a simple existence, it would be an eye-opener to anyone."

"Curly" Barr, 5216, and his wife and son will return again to visit Betty and Mola at the little Mission school near Bluff, Utah. Perhaps the girls will be able to make a return visit next year, too.

But in the meantime they'll help tend the sheep and carry buckets of water and live the tribal life, according to custom.



LITTLE BETTY was fascinated with faucets and plenty of fresh, running water.

Promotions

FRANK LONG to section supervisor, 2123-7. Frank has been with the Corporation since 1946. He came here after serving for three years in the Army. Previously he worked as a machinist for a year with the Ironton Engine Co., Ironton, Ohio. He spent five and a half years before that as an agent for the Prudential Insurance Co., at Wellston, Ohio. Prior to joining Prudential Frank worked for the Wellston Manufacturing Co. as a machinist for four years.



HARRY B. EVANS, JR., to section supervisor, 1633-1. Harry joined us last February after working briefly as an associate with a consultant engineering firm in Denver. Before that he earned his B. S. in administrative engineering at the University of Denver and followed it by teaching engineering subjects there for one quarter. Harry is a veteran of five years in the Army. Before enlisting he worked seven years for General Motors, first in dealer and public relations and sales promotion and later as territorial manager in field relations.



New Tooling Process To Be Described At ASTE Gathering

"Hydroform—the new type of machine tool," will be the subject of a talk to be presented before the American Society of Tool Engineers, Albuquerque Chapter 93, next Friday, Oct. 16, at the Fez Club. Dinner will be at 7 and the meeting will begin at 8:15 p. m.

Ken Martin, service engineer for the Cincinnati Milling Machine Co., will be the speaker. He will describe the new processes—a method of forming simple but extremely large sheet metal shapes. Hydraulic presses used in hydroforming range up to 75-ton capacity. The process is especially useful in limited quantity production.

The lecture will be followed by a question and answer period. ASTE Chairman Harold P. Baecker, 2531, will preside. Program Chairman "Red" Hanen, 2531, was in charge of the arrangements, according to "Andy" Anderson, 1643, publicity chairman.

Photos by Hodges

From the far corners of the globe Sandians on military leave write

Since August, 1950, there have been 159 Sandia Corporation employees go on military leave. Today there are still about 100 men (and one woman) on duty with the Army, Navy, Air Force or Marines, scattered to the four corners of the world. More than 50 employees have returned to their jobs at Sandia after completing their tours of military duty.

The stories of these people, their experiences, are the stories of the millions of Americans who have served their country.

Following are excerpts from their letters:

Helps Survey Alaskan Wilds

With a topographical battalion in Alaska this summer is Thomas F. Corrigan, a former Laboratory draftsman. Tom writes that his outfit spends summers surveying the Alaskan islands and in the winter-time has been doing the same work in Southern California. He is now stationed at Naknek and his letter is postmarked King Salmon, Alaska. Here's his address:

Pfc. T. F. Corrigan RA 18403371
30th Engineer Top. Bn.
537 Engr. Base Survey Co.
APO 945 C/O PM
Seattle, Wash.

"I Like My Job Very Much"

Leo Cordova has the Army job of dental assistant at Camp Rucker, Ala. He says, "I like my job very



Leo Cordova

much but I'd rather be back home as a messenger for the Corporation." Leo's address is:

Pvt. Leo C. Cordova, US 54075911
Dent. Det. 3461 ASU
Camp Rucker, Ala.

Off to Leadership School

James E. Mansheim has just completed artillery basic training and is now in Leadership school at Fort Riley, Kans. Jim wrote the BULLETIN from Salida, Colo., where he



Jim Mansheim

was on a 7-day leave in search of the elusive trout. He says he is "always glad to hear from everyone there at Sandia." His address:

Candidate James E. Mansheim,
US 65383320
Hq. & Hq. Btry.
25th F. A. Bn.
10th Inf. Div.
Fort Riley, Kansas

"I Am Very Happy"

From Tokyo Robert A. Bailey writes that "I am very happy to hear that a job awaits me with Sandia Corporation." At present Bob is seeing service with the Air Force in Japan and expects to be back in U. S. early in 1954. He is a senior draftsman. You can write him a letter at this address:

A1/C Robert A. Bailey,
AF 18403019
6004th Air Intelligence Service
Sqdn.
Box 72, APO 925, c/o PM
San Francisco, Calif.

Hospital in Korea

Working in a hospital in Pusan, Korea, Don O'Dell reports that



Don O'Dell

chief interest in that city is the hospital work. Don expects to be back in the states in about eight months and is anxious to return to his work here. He was in 2461.

Pfc. Donald N. O'Dell US 55257909
21st Station Hospital Annex
APO 59, c/o PM
San Francisco, Calif.

From Korea

"Things are sure quiet (in Korea) since the truce was signed . . ." writes Harlan W. Richardson who is attached to an anti-aircraft unit over there. Harlan was in 2461-2 prior to entering service last January. He was trained at Fort Bliss and went to Korea via camps in California and Japan. His address is:

Pvt. Harlan W. Richardson
US 54075640
Hq. Btry. AAA Bn. Sp.
APO 248 c/o Postmaster
San Francisco, Calif.

Sightseeing Europe

Tours of Germany, France and Italy have been enjoyed by Dennis Cordova who is on duty in Europe. Spain and Portugal will be visited



Dennis Cordova

in October. Dennis, who was formerly in 2534, is battalion clerk for the 229th Field Artillery. He reports he is anxious to finish his army life and get back to Sandia. Write him at this address:

Pfc. Dennis Cordova US 54070782
Hq. 229th FA Bn
28th Infantry Division
APO 111, c/o PM
New York, N.Y.

Awarded Air Medal

Capt. Lawrence R. Bailey, Jr., writes back from Korea where he is stationed with the Air Force. He is aviation officer with the 24th Division Artillery Air Section. From other sources we learn that he was recently awarded the Air Medal. His address:

Capt. Lawrence R. Bailey,
O-825760
8th Army Flight Det.
8085 Army Unit, APO 301
c/o PM
San Francisco, Calif.

G. I. NEWS



Rod Stambaugh

Back Home

Rod Stambaugh is back from duty in Korea and Japan with a reconnaissance squadron. Rod, who was in 2222-2, wrote a letter dated Sept. 10 and said he would be on his way home sometime during the month. He is now in Albuquerque and will soon be back at work with the Laboratory. Welcome home!

Works With Explosive Effects

Lt. James L. Dossey is attached to the 1090th SWG, AFSWP, Field Command, Sandia Base, and is assigned to Explosives Effects Division at Silver Spring, Md. He is doing research and development work of specialized electronics. He sends his regards to fellow workers at Sandia and includes his address:

Lt. J. L. Dossey
10225 Colesville Rd.
Woodmoor
Silver Springs, Md.

Research at UCLA Atomic Energy Project indicates that ordinary typhoid and tetanus immunization shots may afford a great deal of protection against certain radiation effects of the A-bomb. (New York World-Telegram and Sun)

I Felt Closer to Home

"One of the things that has made me feel closer to home was the Sandia Bulletin . . ." writes Melvin A. Reynolds who is now stationed in San Francisco. Melvin took his basic training at Fort Lewis, Wash., and has just completed Military Police training at the Presidio. He has many nice things to say about the people who work at Sandia and would like to hear from his friends. His address:

Pvt. Melvin A. Reynolds,
US 56195233
(Training) Co. C, 505 MP Bn.
Fort Baker
Sausalito, Calif.

Amphibious Training Team

Marine Charles A. Sanchez, Jr., is a member of an amphibious training team on the island of Hokkaido, Japan. He is moving about the area with the team instructing in various camps. Charlie, who was in 1951, likes the work and enjoys the country, but is looking forward to his return to the States soon after Christmas. Write him at:

Charles A. Sanchez, Jr.
Sgt., USMC 1231928
TTT Amphib Grp—WES PAS
Navy # 3923 Box 62
San Francisco, Calif., c/o FPO

Writes from Japan

Jerry Monahan writes that he enjoys receiving the BULLETIN in his military post in far-off Misawa, Japan. Jerry, formerly of 1251, is doing classified work with a mobile radio squad. He has been in several posts in U.S. (all good places he says) and also enjoys his post in the Far East. His address:

A1/c J. B. Monahan AF 18367386
1st Radio Sq. Mobile Box 233
APO 919 c/o PM
San Francisco, Calif.

WRITE TODAY
You'll note that the addresses of all men in service who have written the BULLETIN have been included in these news notes. Take the hint — write your former co-worker who is now away from home. They are eager for your letters, don't let them down.



Lee Crawford

Florida Assignment

Lee R. Crawford, formerly of 2142, is assigned to Patrick Air Force Base, Fla., and reports that he is still sold on the climate of the Southwest, "just any place within a radius of 10 miles of Second Street and Central Ave., in Albuquerque." Lee enclosed the accompanying photograph of his fishing luck. His military address is:

Lee R. Crawford, Lt. Col., USAF
PO Box 331
Patrick Air Force Base
Florida.

"Thanks for the Bulletin"

"Thanks for the Bulletin," writes Glenn H. Lathrop, who is back from Hawaii and is now stationed with the Navy at Moffett Field, Calif. Glenn was recently transferred from Air Transport Squadron 21 in Hawaii to his new unit in California. His new address is:

Glenn H. Lathrop AM2
VR-5 (Structures)
Naval Air Station
Moffett Field, Calif.

WEEKEND Vacationer

Ruidoso, 180 miles southeast of Albuquerque, proudly calls itself "the Playground of the Southwest" and with good reason.

The area lies in the heart of the Lincoln National Forest and is situated at 7000 feet at the foot of Old Baldy, highest peak in the famed Sierra Blanca Mountains.

Ruidoso, which is both a summer and a winter resort, offers magnificent mountain views, clear cool streams to thrill the fisherman, forest trails for horseback riding, tennis courts, golf course and historical sites.

Billy the Kid Country

The Old Mill on the main highway to Ruidoso is a famous landmark that has stood for more than a century. Near Ruidoso stands the old Lincoln County Courthouse, now a state monument, where the notorious Billy the Kid made a desperate escape.

The Monjeau Lookout surveys one of the most breath-taking panoramas in the Southwest and in this area the Annual Fall Aspencade is held when the trees above Ruidoso blaze with autumn colors.

Sport of Kings

The Sport of Kings is one of Ruidoso's favorite attractions. Racing is held at Hollywood Race Track every weekend during mid-summer. Thoroughbred and quarter horse races are featured with parimutuel betting supervised by the State of New Mexico.

This southwestern resort has everything in accommodations, too. The visitor can choose between rustic, simply-furnished log cabins or deluxe service at the smart guest lodges. In winter Ruidoso draws many skiers to the Cedar Creek Ski Run and in recent years tobogganning has become another attraction.

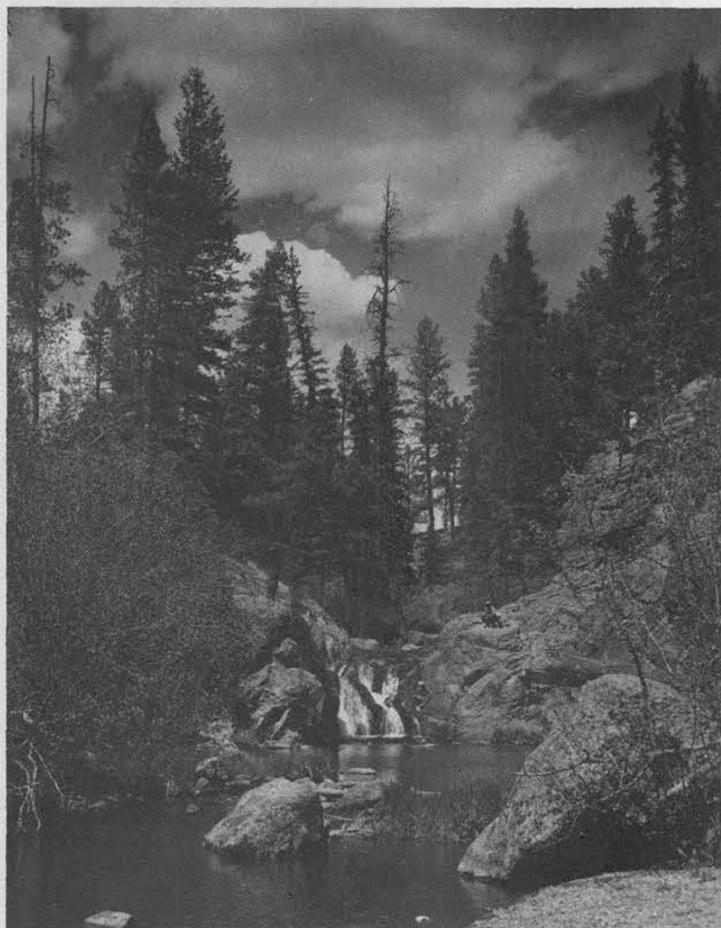


Photo by Boyes

RUIDOSO PLAYGROUND provides mountains such as these for the weekend tourist from Albuquerque. This is a special "Weekend Vacationer" for the benefit of fall and winter vacation-lovers—Ruidoso is a favorite winter resort.



ON A GROUSE HUNTING trip to Elk Mountain in the Pecos Country recently were these Sandians, each of whom bagged their limit. Members of the party, L to R, included Joe Duran, 5216; Stanley Clayton, 5225-1; Lee Hollingworth, 1242; Dale Fastle, 5216; Dan Parsons, 5225-1; and Ben Benjamin, 5251. Other successful grouse hunters over the Sept. 25 weekend were Norman Richardson, 5216; John Parker, 5216; Warren Roberts, 5216; Bob Matthews, 5211, and Jerry Self, 2121-4. The latter group hunted in Tres Ritos.

Prize Winning Sandians Walk Off With Top Awards at State Fair

Sandians and their families went all out for the 1953 New Mexico State Fair last week, taking home prize ribbons in many of the exhibits.

Annetta Fortman, wife of K. R. Fortman, 5221, took first prize with a white formal dress in the nationwide crochet contest as New Mexico winner. She also won first prize in the "Woman's Day" crochet contest with her original design.

Father, Son Winners

Jess McKee, 2124-5, and his children took three blue ribbons in the Hobby Show with Indian relic entries. His son, Joe, won third place in model planes.

The Jim Lossing family practically won their ribbons by the yard—34 were claimed by Mrs. Lossing and the children. Her entries were in canned goods and the children's in the poultry division. Jim is in 2452.

Florence Dingman, wife of George Dingman, 2452, took home nine ribbons with her entries in textile painting, sewing and knitting.

Ammunition and Lamps

C. B. Kraus, 2452, won a ribbon with his entry, a hand reloading ammunition exhibit in miscellaneous hobbies division, and Jim Gallagher, 2124-3, and his wife took second prize in handicraft with a lamp made from gnarled wood, the shade fashioned by Mrs. Gallagher.

Sandia photographers claiming ribbons included Jim Poindexter, Dick Hodges, both of 2462; M. A. Palmer, 5211-2; Sam C. Waldorf, 2124-4; Louis T. Chavez, 2463-2, and Leroy Hassebrook, 1542-3. Several of Leroy's fine action shots appeared during the week in Albuquerque newspapers.

Jane Baker, 2462-3, took first place in the metals handicraft contest.

Sue's Fish Wins

Two blues and a red ribbon were awarded to Lucille Zimmerman, wife of Howard Zimmerman, 2121, in weaving and crocheting. Don Robbins, 5133, placed first in one of the tropical fish exhibits, and Sue Ethridge, daughter of John Ethridge, 2452, placed second in the junior exhibit of tropical fish.

Pat and Robert Higgins, 1924, took six firsts, three seconds and

five thirds with their rose entries in the flower shows. Pat is in 4222 (5230). Other flower show winners were Mrs. Stobie, wife of George Stobie, 5252, who won two firsts with rose and iris entries. A number of winning flower ribbons were awarded to Mrs. Ed L. Johnson whose husband works in 5231.

C. E. Foster, 2533, was grand award winner in the philatelic show, the second consecutive year he's brought back the special prize. In addition his stamps also received four firsts, and a second and third place. Joe Toulouse, AEC, took the blue ribbon for his collection of Latin American stamps, and he and his children entered winning units in the model trains division where they claimed two first, eight second and two third place awards.

Wins Second Time

Jim Cocke, 1222, took two second places and a third, in stamps, and Mrs. Cocke claimed first prize in antique silver for the second consecutive year.

Winner of first, second and third ribbons in two flower shows was Jack Mafit, 3152, who specializes in zinnias. Another winner in individual specimens and arrangements in the flower exhibit was Mrs. J. M. Lohse, wife of J. M. Lohse, 5142-1. She took seven blue ribbons and eight red in a variety of displays.

A popular exhibit at the fair, but one in which no awards were made, was sponsored by the Gem and Mineral Club. Sandians who displayed specimens in this show included Jess McKee, Charles A. Tucker, 1641-3; Floyd A. Kunz, 2532-2; Dean Wise, 2123-4; Marshall Nichols, 2123-4; Mrs. Ted Morse, whose husband works in 1610; and David B. Miller, 2360.

Gem, Mineral Club To Meet on Monday

William Gilpin will be the featured speaker at the next meeting of the Albuquerque Gem and Mineral club, 8 p. m., Monday, October 12, in the auditorium of the new geology building at the University of New Mexico.

Mr. Gilpin, superintendent of Southern Union Gas Co., is a charter member of the club and an advanced geology student. Guests are welcome at the Gem and Mineral club meetings according to Dean Wise, 2123-4, president of the group.

Welcome! Newcomers

A welcome is extended to the following newcomers who joined Sandia Corporation between September 16th and September 30th:

Robert L. Allen	1641
Nellie R. Calder	1641
David T. Saunders	1641
James J. Brady	1643
Edra M. Billings	1924
Nancie H. Lochbaum	2121
Shirley R. Jiral	2222
Silas D. Shane	2411
Rosie P. Gallegos	2419
Jacqueline L. Cottingham	2461
Donald A. Loren	2552
Walla R. Peterson	3160
Fernie A. Bernstein	4222
Marianne W. Burnam	4222
Marjorie A. Merker	4222
Barbara J. Murray	4222
Joyce A. Schurr	4222
Janice R. Teitsworth	4222
Ralph L. Schellenbaum	5111
Howard W. Sine, Jr.	5342
James L. Rogers	5421
Walter S. Jenkins	5432

Classified Advertising

Classified Advertising

Classified advertising is printed in the Sandia Bulletin as a service to Sandia Corporation employees and employees of the AEC on Sandia Base. There is no charge for publishing the advertisements.

Advertisements must be submitted in writing and contain the name, organization, home telephone number and base extension of the advertiser.

Each advertisement will be run one issue. Deadline: Friday noon, one week prior to date of publication.

Next Deadline: Noon, Oct. 16

FOR SALE—

BOLEX H16 Movie Camera, three lens, case, top condition \$375, Biskner, Alb. 6-4311.

1/3 H.P. double shaft ext. electric motor; matched archery sets, complete—20 and 50 lbs. bows; 20-in. boy's bike; tank-type hand vacuum and attachments; 2 metal utility cabinets, Wild, Alb. 6-6065.

THERMADOR portable air conditioner \$28; auto air cooler \$3; 16-volume, Stoddard's Travel Series; 3-volume complete mathematics set; 10-volume complete college educator set; 65 volume set National Geographic Magazine, bound, 1916-1950, Keever, 1329 Wellesley Dr. NE, Alb. 5-1683.

'36 FORD Coupe with rumble seat \$25, Morrison, Alb. 3-9829.

BIG GAME rifle, Model 81 Remington woodmaster cal. 300, NRA rating: good to very good, Kraus, Alb. 4-0264.

TWO-BEDROOM home, tiled bath, wall-to-wall carpeting, fenced yard, beautiful trees and shrubbery, near grade, junior and senior high schools, shopping centers, Lovelace Clinic, located on elevated ground, near two bus stops, \$11,500, 1216 Jackson St., SE, Branham, Alb. 5-8810 anytime.

15-GAUGE BROWNING shotgun, Belgian made, semi-automatic 28-in. barrel, full choke, like new. some ammunition included, \$100, Baldwin, Alb. 5-4238.

FOUR-ROOM HOUSE, frame stucco, \$1750 equity; terms; balance \$4750, \$38 per month, Hayes, 2933 Madison Ave. NE, Alb. 5-4924.

1947 CHEVROLET convertible, R and H, Arnold, Alb. 3-2190 after 5.

OR WILL TRADE 1948 4-door Fleetmaster Chevrolet in top condition, including new motor and tires, loaded with extras; want your equity in 1952 or 1953 hard top convertible, Johnson, 904 LaVeta Dr. NE, Alb. 5-9443.

ONE 9x15 gray wool twist rug with pad, also hall runner to match; one 6x9 cotton rug, green; G. E. 7-cu. ft. refrigerator, Holder, 9014 Candelaria Road, NE, ext. 33247.

THREE-BEDROOM home, 1 1/2 baths, carpet, storage room, covered porch, large concrete patio, walled yard, lawn, shrubs, flowers, 2 1/2 blocks to bus and school, 3026 Quincy St. NE, Bel Air, Total price \$8750, 4 per cent GI mortgage, \$1200 down, Fowler, ext. 26143.

DEER RIFLE, 30-40, shot 10 times, Birrell, Alb. 4-3279.

1947 CHEVROLET 4-door 1000 miles since engine and transmission overhaul \$370, Hilton, ext. 33139.

RUG, 9x12, wine color \$30, rug 6x8, to match \$20; Thor convertible washer for clothes or dishes \$45; Bendix dryer, like new \$175, Russell, ext. 33245.

WRINGER-TYPE washing machine with pump, \$25 or best offer, McCampbell, Alb. 6-4156 after 5.

DEL LAURENCE home, sunken living room 15x20 ft., 3 bedrooms, service room, year round patio, carpeting, cooler, blinds, walled back yard, landscaped, pitched roof, circular drive, attached garage, 72x125 lot, Smyth, 2617 Wisconsin St. NE, Alb. 5-6536.

WRINGER-TYPE washing machine, "Universal," used only six months, like new, \$60 or best offer, Orth, 1048 Quincy SE, Alb. 6-0407.

MOTORCYCLE, James 98, windshield saddle bags \$100, Dike, ext. 29285.

TWO-BEDROOM home, den, hardwood floors, venetian blinds, close to Base, \$1500 down, 813 San Pedro Dr. SE, Pasko, Alb. 6-0534.

LIMITED QUANTITY concrete building blocks, 16x8x4, Liebman, Alb. 5-6812 evenings.

SABLE-DYED Muskrat coat, like new, size 16, \$100, Nicks, Alb. 5-5615 after 5.

1950 TUDOR FORD, R and H, clean, priced to sell, Muldrow, 125 University NE, Alb. 2-7994.

THREE-BEDROOM home, reduced to \$14,000, \$3000 down, Located in Monte Vista area, beautifully decorated, wall to wall carpet, drapes, patio, landscaped, walled yard, Nelson, Alb. 5-5654, or see at 3321 Wilway Dr. NE.

TRAILER, 2-wheel utility, good tires and spare, \$48 with tarp, \$38 without, Farmer, Alb. 5-7279.

BASKETBALL goals and nets, never used, \$3 for pair, Kelly, 1028 Wilmore Dr. SE, ext. 24259.

COMPLETELY furnished two-bedroom home, beautiful modern furniture, oak floors throughout, carpeting in living room and hall, attached garage, total \$9250 (Bel-Air) Grier, Alb. 5-5034.

TWO-BEDROOM house, 8 months old, walled yard, 2 blocks to elementary school, 1/2 mile from shopping center, 8826 Aztec Rd. NE, terms, house open for inspection, Johnson ext. 21264.

UNFINISHED: Drop leaf table \$20; modern pine desk \$25; step end table \$3; 3 straight chairs \$8; solid mahogany picture frame, Mr. and Mrs. 8-dwr. chest, shelf rack with light, 20-in. mirror \$55; Victrola record cabinet; rug braider ticking materials; chicken wire; mower \$8; new garden hose \$5; tools; new Handy Hot timer washer and wringer \$35, Tendall, ext. 23195.

UPRIGHT Underwood typewriter \$60 or best offer, Quinn, 521 Cardenas SE, ext. 29241.

ONE 4x6 hooked cotton rug, floral design, 4x6 ft.; one navy chenille and shag rug, 4x6 ft.; round plate glass mirror, 2 ft. diameter, cut design on one side; gray maternity suit, black velvet trim, size 14, Field, Alb. 6-2613.

SNOW HOME, 3 bedrooms, den, 1 and 1/4 baths, utility room, sacrifice for immediate sale at old price of \$8995, plus cost of improvements, Sanders, 8027 Princess Jeanne NE.

ENGLISH STYLE girl's bicycle, 26-in., Harris, 8038 Princess Jeanne Dr., Ext. 33236.

SINGER Sewing Machine in walnut cabinet, Skelly, 447 Louisiana SW.

FOUR GOOD 820x15 white sidewall tires and tubes, \$5 each; 2 nearly new motorcycle tires and tubes \$14 each; 1 new Air Force blue overcoat, Evans, Alb. 2-9920.

'37 FORD 5-passenger coupe \$125; Speed Queen washer \$15, Tant, Alb. 5-9857.

THOR semi-automatic washer, like new, Whitehill, ext. 31153.

FOR RENT—

ONE-BEDROOM furnished house near Sandia Park, modern, all utilities paid; also one-bedroom furnished house in Tijeras Village, modern, all utilities paid, Miller, ext. 30154.

NEW 3-room apartment, 1338 Arron Court SW, Sons, Alb. 7-9073 or Alb. 3-3661.

UNFURNISHED 2-bedroom house, garage, fenced back yard, landscaped, hardwood floors, water and garbage paid, 5 minutes to base, \$75, Barlow, ext. 36262.

WANTED—

ROCKING HORSE, Pollard, ext. 22247.

RIDE from 1600 block E. Coal to south or east gate near Bldg. 880, Pat Sherlock, ext. 33251.

'51 PLYMOUTH Suburban, P. Ryan, Alb. 64625.

RIDE from corner Ridgcrest and Laurel Circle to Bldg. 860, Randy Carzoo, Alb. 61830.

RIDE from vicinity 1204 Grand Ave. NE to east gate No. 6 near Bldg. 860, Ruth Miller, Alb. 3-4810 after 5.

RIDE from Yale and Lomas NE to east gate No. 6 near Bldg. 860, Betty Bentley, Alb. 3-4810 after 5.

FORM or join car pool from vicinity San Mateo and Constitution NE to Bldgs. 880 or 892, Walt Adams, ext. 31747.

RIDE from vicinity Garfield and Princeton to any north tech gate or Adm. Bldg., Mrs. Mary Williams, ext. 31247.

RIDE or form car pool from Haines and Wyoming to Bldg. 800, J. Hann, ext. 35239.

RIDE from corner Coal and Ash to adm. bldg. area, Betty Wilford, ext. 23160.

RIDE from vicinity University St. and Central SE to adm. bldg. for two girls, Louise Goodman, ext. 21165.

ONE MORE CAR for car pool vicinity 1400 block N. Stanford to 1400 block N. Girard to bldg. 880. Three cars in pool at present, James Stoll, Alb. 6-4179.

RIDE or join car pool from Highland and Wellesley, or Coal and Wellesley, to north east tech area, Wm. Nielsen, Alb. 5-8989.

GOOD HOME for part Persian and Angora cats, Tendall, ext. 23195.

MISCELLANEOUS—

DRIVING to New York City. Leave Oct. 16 a.m., want 1 or 2 riders and/or co-drivers, Elio, ext. 26254.

Here's the Situation in

Sandia Employee Bowling

MAJOR LEAGUE

Team Standings			
Team	Won	Lost	P-W
Hassebrook	10	2	8
Ned	8	4	4
Arrow	8	4	4
Jack	7	5	2
Sowell	6	6	0
Stromberg	6	6	0
Batchelor	6	6	0
Neis	5	7	0
Dancy	5	7	0
W	4	8	0
Mackey	3	9	0
Rhodes	3	9	0

Team and Individual
Hi team game: Hassebrook, 898.
Hi team series: Hassebrook, 3439.
Hi individual game: Eden, Giesker, 518.
Hi individual series: Hassebrook, 528.

Top 10 Averages
Arterubrn 176, McKinley 175, Duffield 174, Crider 172, Hassebrook 170, Frantz 169, Mills 168, King, Blain 167, Gasta, Rappelyea, Lincoln, Parry 165.

ALL STATES LEAGUE

Team Standings			
Team	Won	Lost	P-W
Iowa	9	3	6
Wisconsin	8	4	4
Oklahoma	8	4	4
Michigan	7	5	2
New York	5	7	0
Indiana	4	8	0
Illinois	4	8	0
California	3	9	0

Team and Individual
Hi team game: New York, 874.
Hi team series: Michigan, 2393.
Hi individual game: Allman, 232.
Hi individual series: Allman, 567.

Top 10 Averages
Fellows, Scharpen 176, Allman 174, Smith 167, Engels, Schultz 164, Kadlec 163, Guntrum 152, Muchowski 160, Schonberg 159.

JUNGLE LEAGUE

Team Standings			
Team	Won	Lost	P-W
Lions	9	3	6
Gophers	8	4	4
Wildcats	8	4	4
Mustangs	8	4	4
Bears	6	6	0
Lobos	4	8	0
Panthers	3	9	0
Rabbits	2	10	0

Team and Individual
Hi team game: Lobos, Lions, 845.
Hi team series: Lobos, 2433.
Hi individual game: Paxton, 224.
Hi individual series: Butler, 564.

Top 10 Averages
Duffield 184, Clyde 182, Stradfors 169, Sandin 166, Paxton 165, Dietrich 164, Butler 163, Campbell 159, Whitford, Strauss 156.

MINOR LEAGUE

Team Standings			
Team	Won	Lost	P-W
Seven	11	5	6
Five	11	5	6
Fischer	10	6	4
Ray	10	6	4
Swell	9	7	2
Nine	8	8	0
Ten	8	8	0
Two	8	8	0
Ned	7	9	0
SW	5	11	0
One	5	11	0
Berrendo	4	12	0

Team and Individual
Hi team game: Fischer, 1049.
Hi team series: Seven, 2969.
Hi individual game: Leonard, 268.
Hi individual series: Clamp, 705.

Top 10 Averages
Vinovich 187, Maxwell 174, Leonard 170, Ritter 165, Blain 164, Neitzel 161, Frantz, Sain 160, Brown, Johnson, Whalon 157.

LADIES' JEWELLETTE LEAGUE

Team Standings			
Team	Won	Lost	P-W
Emeralds	7	1	6
Sapphires	6	2	4
Zircon	6	2	4
Onyx	5	3	2
Turquoise	4	4	0
Diamonds	2	6	0
Garnets	1	7	0
Jades	1	7	0

Team and Individual
Hi team game: Sapphires, 770.
Hi team series: Emeralds, 2186.
Hi individual game: Ricard, 190.
Hi individual series: Ricard, 540.

Top 10 Averages
Ricard 178, Hahn, Muchowski 152, Masak 151, Hainlen 147, Burg 142, Fauerbach 138, Fink 136, Schultz 135, Schell 132.

CORONADO CLUB BRIDGE RESULTS

September 24
J. O. Palmer—J. R. Smith, First
Mrs. Randy Parsons—T. V. Crawley, Second
Mr. and Mrs. P. F. Meigs, Third
Mr. and Mrs. H. D. Finch, Fourth
P. Arnold—A. T. Marrs, Fifth
October 1
Mr. and Mrs. H. E. Martin, First
J. O. Palmer—J. R. Smith, Second
Mr. and Mrs. C. A. McKeever, Third
Mrs. McManis—Mrs. Spurrier, Fourth
Mr. and Mrs. H. W. Maglidt, Fifth
Women's Afternoon Bridge, Sept. 23
Mrs. H. C. Reading—Mrs. G. W. Brown, First
Mrs. W. Jobe—Mrs. R. M. Fegan, Second
Mrs. T. E. Shea—Mrs. H. Mehlhouse, Third
Mrs. C. M. Abernathy—Mrs. D. L. Teagarden, Fourth



IT MUST BE A MISTAKE. NOBODY HERE PUT IN A LONG DISTANCE CALL TO TUSCALOOSA!